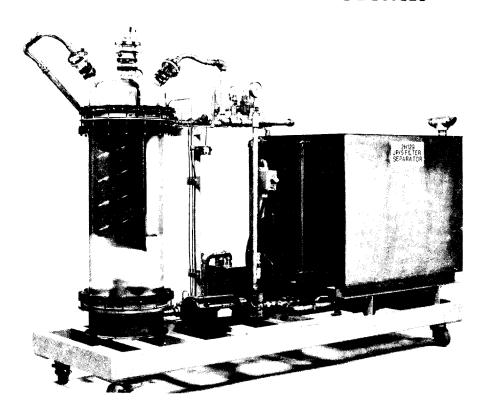
# DEVICE 2H129 DIRECTORY OF NAVAL TRAINING DEVICES



# JP-5 FILTER SEPARATOR TRAINER, DEVICE 2H129

#### TRAINING CATEGORY:

**AVIATION** (Aircraft Fueling Equipment)

#### ORIGINATING AGENCY:

DCNO/AIR

## **SECURITY CLASSIFICATION:**

Device 2H129 is unclassified.

#### **PURPOSE:**

To demonstrate the coalescing and separating stages of a jet fuel filter separator. A pump circulates JP-5 through the filter/separator from a 200 gallon holding tank. The water separated from the fuel flows into a 10 gallon drain tank. Automatic water dump and fuel cutoff are provided

#### INTENDED USE:

In Aviation Boatswain's Mate Fuel School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of the 2000 GPM JP-5 Aviation Fuel/Water Filter/Separator.

# **FUNCTIONAL DESCRIPTION:**

The trainer is a reduced scale working model of a JP-5 Aviation Fuel/Water Filter Separator, Model VFCS-5813T2-13415-C as manufactured by Facet Enterprises, Inc. The model is designed as a two stage vertical filter separator. The trainer and all other associated equipment is mounted on a steel framework complete with rubber tired casters. The system circulates contaminated JP-5 from a holding tank through the filter separator to remove water and solids. Cleaned fuel is returned to the 200 gallon holding tank. The solids are retained in the separator filter/coalescer cartridges and water is automatically drained into the drain tank. The unit is complete with interconnecting piping, valving and instrumentation.

## PHYSICAL INFORMATION:

Number of Pieces: One (1) Stand Assembly

Size: 73" High x 34" Deep x

108" Long

Weight - Empty: 1,289 lbs..

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### **POWER REQUIREMENTS:**

120 VAC, 60 Hz, 10 amp capacity outlet

#### PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, JP-5 Filter Separator Trainer, Device 2H129, NAVTRASYSCEN, P-5353-10 (U).

#### PERSONNEL:

Instructor:

One (1), Chief or 1st Class PO graduate of Aviation Boatswain's Mate Fuel School with actual experience onboard an aircraft

carrier

Operator:

Instructor-Operated.

Trainees:

Class of up to 50

Maintenance: One (1) hour per 100 hour utilization. (Approximately every 2

months of use)

#### CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

#### LOCAL STOCK NUMBER:

6910-LL-C00-6849